INSTRUCTION MANUAL

CZ 513

ČESKÁ ZBROJOVKA

Before handling the firearm read this manual carefully and observe the following safety instructions.

Improper and careless handling of the firearm could result in unintentional discharge and could cause injury, death or damage to property. The same consequences can be caused by any unauthorized modifications or adjustments, corrosion, or use of non-standard or damaged ammunition. In these cases the manufacturer shall not be responsible in any manner whatsoever for the resultant consequences.

Before leaving the factory this firearm was tested, carefully inspected, and packed. CZ cannot accept responsibility for product handling while in transit, or upon leaving the factory. Therefore, please examine this firearm carefully at the time of purchase to ensure that it is unloaded and undamaged.

This instruction manual should always accompany the firearm and that even in the case of its loan or sale.

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SAFETY INSTRUCTIONS

Always follow the safety instructions for your safety and the safety of others.

1. Always handle your firearm as if it were loaded.
2. Never point your firearm at anything you do not intend to shoot.
3. Never take anyone's word that a gun is unloaded.
4. Always make sure that your firearm is not loaded before laying it down, or handing it to another person.
5. Always store your rifle unloaded with the striking mechanism released.
6. Never abuse your firearm by using it for any purpose other than shooting.
7. Never leave a loaded firearm unattended.
8. Prior to loading the firearm make sure that barrel bore, chamber, and action are clean and clear of obstructions. Clean a dirtied firearm immediately so that it will function properly and safely.
9. Always use only clean, dry, original high quality commercially manufactured ammunition, which is appropriate to the caliber of your firearm.
10. Never drink alcoholic beverages or take drugs before or during shooting.
11. Always wear safety glasses and ear protection during shooting whenever possible.
12. Always keep the safety on when the rifle is loaded with a cartridge in the chamber, until you are ready to fire. Keep firearm pointed in a safe direction when disengaging the safety.
13. Always keep clear and keep others clear of the ejection port.
14. Never squeeze the trigger or put your finger in the trigger guard until you are aiming at a target and ready to shoot.
15. Always be absolutely sure of your target, and the area behind it, before you squeeze the trigger. A bullet could travel through or past your target up to several hundreds of meters.
16. Never shoot at a hard surface such as rock, or a liquid surface such as water.
17. Never fire your firearm near an animal unless it is trained to accept the noise.
18. Never indulge in "horseplay" while holding your firearm.
19. Failure to fire: always hold the firearm, keeping it pointed towards the target, or a safe open area and wait 30 seconds when the firearm fails to fire. If a hangfire (slow ignition) has occurred, the round will fire within 30 seconds. If the

round does not fire, remove the magazine, eject the round and examine the primer; if the firing pin indent on the primer is light, or non-existent, have the firearm examined by a competent gunsmith.

20. Always make sure your firearm is not loaded before cleaning, storing or travelling.
21. Always keep and store your firearm and ammunition in separate locked receptacles out of reach and sight of children and untrained people.
22. Never alter any parts of your rifle as the safety and proper function of your rifle could be seriously compromised.
23. Always be aware that corrosion, use of damaged ammunition, dropping the rifle on hard surfaces or other "coarse treatment" could cause a damage you may not see. If something like this happens let the firearm to be examined and tested by a competent gunsmith.

THE CZ 513 FARMER SMALLBORE RIFLE DESCRIPTION AND TERMINOLOGY

The names of basic smallbore rifle parts used in this Instruction Manual are presented in Fig. 1. Nomenclatures of all CZ 513 Farmer parts are presented in the section *Illustration and List of Parts*.

The CZ 513 FARMER is a classic repeating firearm of a sturdy design. It is manufactured in a Standard version with a beech wood stock or in Lux (de luxe) with a walnut stock and grip parts checkered by hand made checkering. Characteristic features of both versions are:

- the CZ 513 Farmer is well-balanced and consequently quick and easy to aim
- easy mounting of rifle scope
- controlling elements which are simple in operation, and easy to reach
- cocking indicator indicates cocking of the striking mechanism
- easy disassembly for cleaning and routine maintenance, which can be carried out without any tools
- a high degree of accuracy when firing
- a long service life
- high functional reliability in all environments, even with ammunitions made by various manufacturers, and with different types of bullets
- threaded muzzle as option for Still or Parker Hale sound moderator attachment

OPERATING INSTRUCTIONS

Ammunition

Use only factory-manufactured ammunition of appropriate caliber, which are in compliance with CIP regulations (International Proof Commission for Firearms) or SAAMI (Sporting Arms and Ammunition Manufacturers' Institute Inc. of the United States). The use of other cartridges could damage the firearm or cause injury to the shooter.

Removal of the Magazine

Press the magazine catch located at the front of the magazine in a rearward direction (Fig. 2), and remove the magazine (single-shot adapter) from the firearm.

Magazine Loading

With the open end uppermost, grasp the magazine in one hand. Place a cartridge on the magazine follower with the base just forward of the retaining lips (Fig. 3). Press the cartridge down and back until it touches the rear flat edge of the magazine. Place the next cartridge on top of the previous cartridge and slide in as already described.

Loading of the Rifle

ALWAYS MAKE SURE THE RIFLE IS POINTED IN A SAFE DIRECTION WHEN LOADING!

Insert a loaded magazine into the rifle until it is securely caught by the magazine catch.

Grip the rifle with the left hand by its fore-end, place the buttplate against your body and grip the bolt handle with the other hand. Open the bolt by raising the bolt handle and pulling it to the rear to its stop. Then push the bolt vigorously to its forward position again and by rotating the bolt handle in a downward direction close the bolt action. This procedure inserts the cartridge into the cartridge chamber and cocks the striker mechanism. The rifle is now ready to fire. If you do not intend to fire immediately ensure the firearm safety as described further in the section *Safety and its Operation*.

When using a single-shot adapter, keep it inserted in the rifle, open the bolt and place the cartridge on the follower. Further proceed in the same manner as when employing the magazine. The single-shot adapter is intended for the highest accuracy levels of shooting as it protects the bullets against damage during the feeding of cartridges.

The Safety and its Operation

Shift the safety forward to its "Safety-On" position (Fig. 4) until the red dot is fully covered. This procedure locks the trigger mechanism and the bolt, it is not possible to discharge a cartridge or manipulate the bolt.

Unloading of the Rifle

ALWAYS MAKE SURE THE RIFLE IS POINTED IN A SAFE DIRECTION!

- remove the magazine in the manner as already described
- move the safety to its "Off" position in order that the bolt can be opened
- open the bolt and check to ensure that the cartridge has been extracted from the chamber and ejected
- close the bolt
- depress the trigger (dry fire)

Cocking Indicator Function

Cocking of the striking mechanism is indicated by the striker. When the striker is cocked (activated), its rear part protrudes (Fig. 5). This protrusion can be checked both by sight and by touch.

Sight Adjustment

Elevation adjustment is carried out by shifting the rear sight slide. Windage correction is achieved by drifting of the rear sight in the dovetail and then securing it in desired position with an indentation punch.

Rifle Scope

Mounting of the rifle scope and sighting-in of the rifle should be entrusted to a qualified gunsmith's workshop.

MAINTENANCE INSTRUCTIONS

Stripping for Cleaning - Disassembly

1. Remove the magazine.
2. Shift the safety to its "Off" position, in order that the bolt can be manipulated.
3. Open the bolt, and after depressing the trigger to its extreme rear remove the bolt by moving it rearward.

Disassembly of the Bolt

1. Remove the bolt from the receiver as previously described.
2. Keeping the firm grip of the bolt body rotate the bolt handle to the right (in the same manner as if closing the bolt in the firearm). The main spring is thus released.
3. Place the striker spring support against a suitable solid object (Fig. 7) and push it a little way into the bolt body. At the same time pulling the safety up and out.
4. After detaching the safety, carefully release the bolt while holding the striker spring support. Be very careful when doing this disassembly procedure as the spring support is under main spring tension and its ejection could result in the loss of this part, or could cause an injury.

CAUTION:

Do not strip your firearm any further. If you assume that your firearm requires adjustment or repair, entrust this work to a competent gunsmith in a specialized workshop!

Cleaning of the Rifle

Clean the rifle

- each time you use it
- if you get your rifle wet
- as soon as possible after shooting
- at least once a year in a temperate climate
- as often as once a month in a tropical climate, or other demanding environment

Cleaning the Barrel Bore and the Cartridge Chamber

If the firearm has not been fired or if only a few cartridges have been fired, clean the barrel bore and cartridge chamber by a clean patch attached to a cleaning rod. Repeat, changing patches, until the last patch comes out clean.

When the barrel bore is very dirty, apply a gun cleaning solution using a cleaning brush. Let the solvent act for about 10 minutes (this time may vary depending on the solvent agent being used). Then thoroughly scrub out the barrel bore. Subsequently, dry the barrel bore and cartridge chamber with a clean patch and check that all powder residues or fouling have been removed. If necessary repeat this procedure.

The cleaning rod and the brush must be inserted into the barrel bore from the chamber, to prevent wear or damage to the muzzle. Pass the brush all the way through the barrel bore before reversing the movement. If you try to change directions with the brush in the barrel, the brush could stick.

Cleaning of Other Rifle Parts

Other parts of the rifle can be cleaned with a dry cloth, old toothbrush, copper bristle brush or a wooden scraper. Preserving oil or paraffin oil can be used for proper cleaning. Never use the agent designed for barrel bore cleaning! These solutions could remain in the joints, and after some time could cause corrosion. Check that cloth particles or brush bristles have not become lodged in any part of the rifle.

The maintenance of the stock can be carried out with a dry cloth or by some furniture-polishing product.

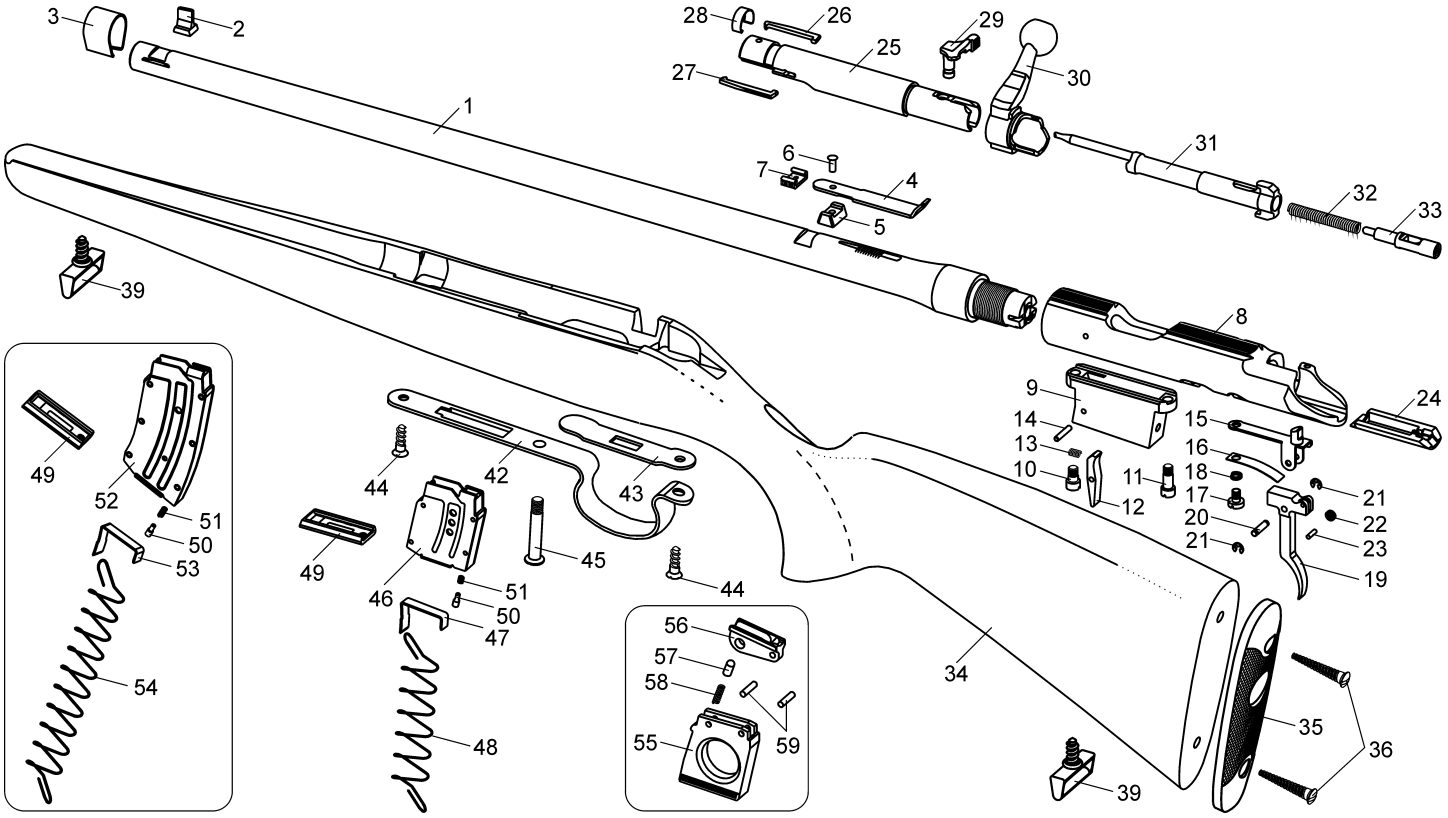
Preserving

When the barrel bore, cartridge chamber, and all accessible parts are clean and dry, wipe these parts with a cloth soaked in gun oil or apply the oil in a spray. Remove all excess oil.

Before shooting always wipe the barrel bore dry. At very low temperatures remove the oil from all accessible parts or apply a lubricant prepared especially for these conditions.

Use thick preserving agents for example, preserving grease only for long-term storage in demanding climate environments, and before any use of the rifle it must be thoroughly removed from all parts of the firearm.

ILLUSTRATION AND LIST OF PARTS



1 Barrel
2 Front Sight
3 Front Sight Cover
4 Rear Sight Ramp
5 Rear Sight Base
6 Rivet
7 Slide
8 Receiver
9 Magazine Housing
10 Magazine Housing Front Screw
11 Magazine Housing Rear Screw
12 Magazine Catch
13 Magazine Catch Spring
14 Magazine Catch Pin
15 Sear
16 Sear Spring
17 Screw
18 Washer
19 Trigger
20 Trigger Pin
21 Retaining Ring (2x)
22 Roll
23 Pin
24 Bolt Guide
25 Bolt
26 Extractor
27 Holder
28 Extractor Spring
29 Safety
30 Bolt Handle
31 Striker
32 Striker Spring
33 Striker Spring Support
34 Stock
35 Butt Plate
36 Butt Plate Screw (2x)
37 Sling Swivel Assembly
38 Sling Swivel Wood Screw
39 Sling Swivel
40 Sling Swivel Screw
41 Elastic Spacer
42 Trigger Guard
43 Trigger Guard Plate
44 Trigger Guard Screw (2x)
45 Rear Stock Screw
46 Magazine Shell
47 Magazine Follower
48 Magazine Follower Spring
49 Magazine Base
50 Magazine Plunger
51 Magazine Plunger Spring

10 Shot Magazine:

52 Magazine Shell
53 Magazine Follower
54 Magazine Follower Spring

Single-shot Adapter:

55 Adapter Body
56 Feeder
57 Pin
58 Spring
59 Pin (2x)

TROUBLESHOOTING, CAUSES AND REMEDIES

If your firearm is properly used and maintained, malfunctions will rarely occur. However, if such a situation does occur please observe the following instructions.

CAUTION - if a malfunction occurs, the possibility of an unintentional discharge is substantially increased. For this reason, when clearing malfunctions, observe the Safety Instructions already mentioned above. Keep the rifle pointed in a safe direction, do not turn the rifle against your body or anyone else's. Do not place your hands in front of the barrel!

Malfunction	Possible Cause	Remedy
A round has not been fed into the chamber.	Magazine is not fully inserted or is damaged. The rifle or cartridges are fouled (dirty).	Insert magazine properly or change magazine. Clean the rifle and cartridges and wipe them dry or as the case may be slightly lubricate.
Misfire	Defective cartridge. Firing Pin hole fouled (dirty) or improper lubrication agent used during low temperature conditions.	Follow the Safety Instructions according to point 19. Disassemble and clean the firing pin or use low temperature lubricant.
A shot sounds "weak".	The primer has been activated but no powder load was inside the cartridge case.	Unload the rifle and check that the bullet is not lodged in the barrel. Any subsequent shot could cause damage to the barrel!
The spent case has not been ejected.	Cartridge chamber, extractor or ammunition dirty or unsuitable lubricant in low temperature environment	Clean and wipe the rifle dry or eventually lubricate lightly with a suitable agent. Use clean and new ammunition.

If you cannot clear away any malfunction in the manner described above, entrust the rifle to a competent gunsmith for inspection and repair.

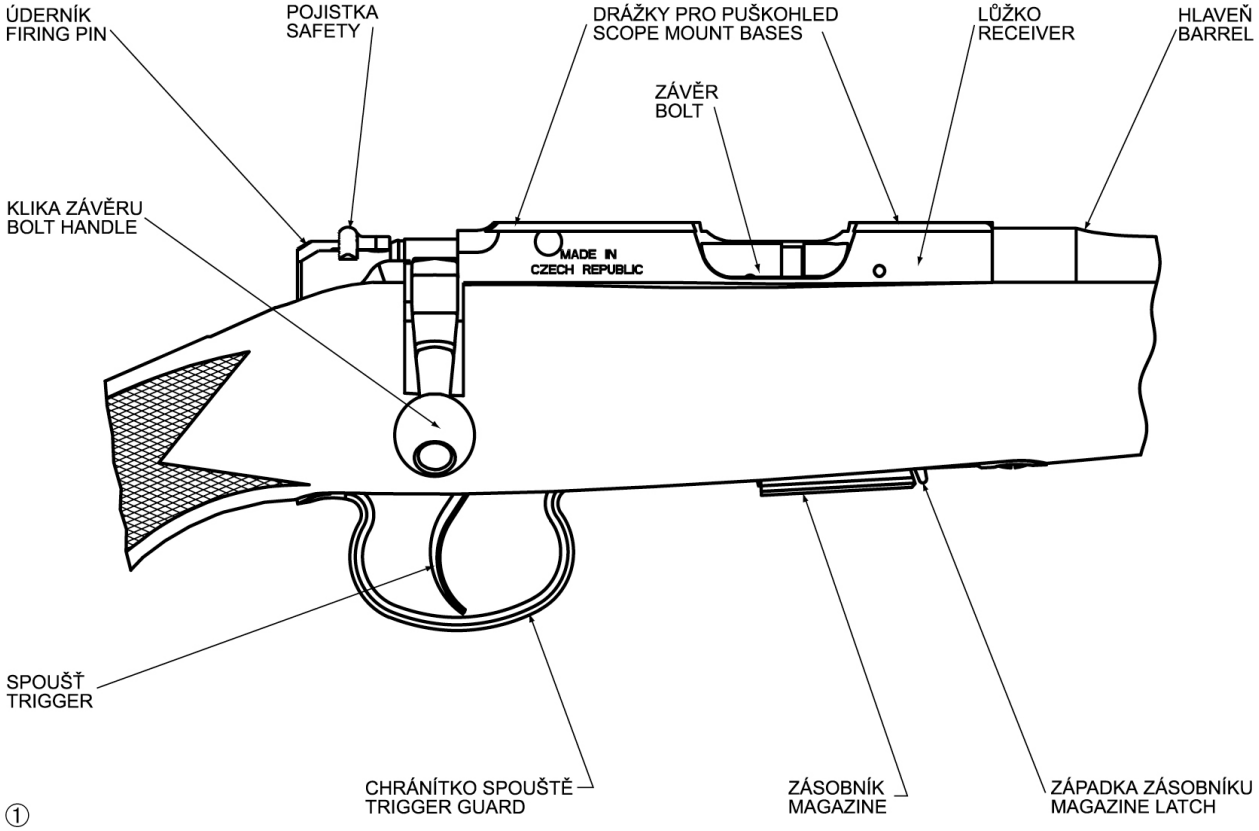
TECHNICAL SPECIFICATIONS

Caliber		.22 LR
Overall length	[mm]	990
Barrel length	[mm]	530
Sight radius (Open Sights)	[mm]	430
Weight (Empty Magazine)	[kg]	2,8
Magazine capacity	[cartridges]	5 (10)
Trigger pull weight	[N]	18 ÷ 25

THE LIST OF ILLUSTRATIONS

1. The Names of Basic Parts
2. Magazine Removal
3. Magazine Loading
4. Putting the safety to its "Safety-On" mode
5. Activated (cocked) striker
6. Rear sight ramp with the slide
7. Disassembly of the bolt

The Company, reserves the right to make any changes it thinks necessary to improve its models or to meet any requirements of manufacturing or commercial nature.


ÚDERNÍK
FIRING PIN
POJISTKA
SAFETY
DRÁŽKY PRO PUŠKOHLED
SCOPE MOUNT BASES
LŮŽKO
RECEIVER
HLAVEŇ
BARREL
ZÁVĚR
BOLT
KLIKA ZÁVĚRU
BOLT HANDLE
MADE IN
CZECH REPUBLIC
SPOUŠŤ
TRIGGER
CHRÁNÍTKO SPOUŠTĚ
TRIGGER GUARD
ZÁSOBNÍK
MAGAZINE
ZÁPADKA ZÁSOBNÍKU
MAGAZINE LATCH

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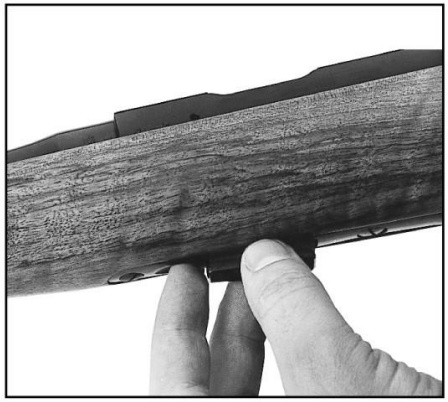

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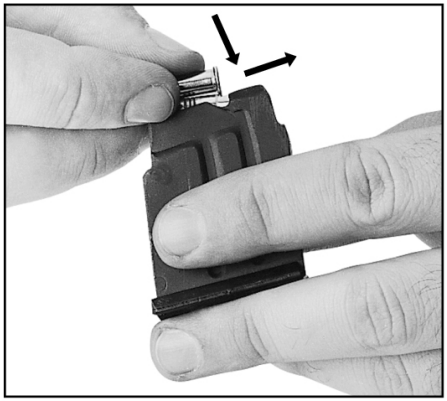

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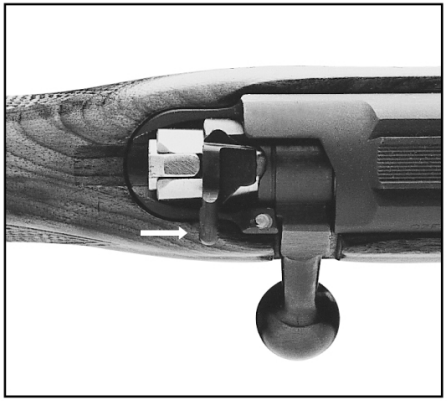

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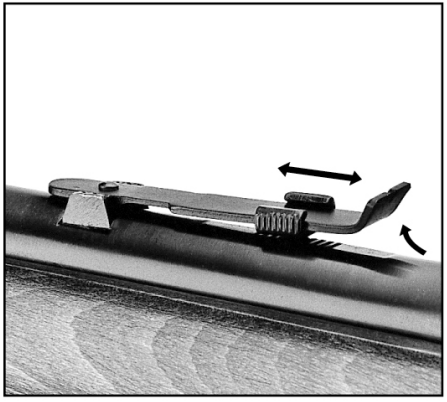

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